

Chariton County, Missouri
Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
10B2: LAGONDA-----	0-5	---	---	12-27	1.35-1.50	4.00-14.00	0.21-0.24	3.0-5.9	2.0-4.0	.37	.37	3	6	48
	5-26	---	---	27-50	1.30-1.40	0.42-4.00	0.13-0.18	6.0-8.9	0.5-1.0	.37	.37			
	26-60	---	---	35-45	1.30-1.40	0.42-1.40	0.10-0.18	6.0-8.9	0.0-0.5	.37	.37			
11C2: LAGONDA-----	0-9	---	---	27-32	1.35-1.50	1.40-4.00	0.18-0.20	3.0-5.9	1.0-3.0	.37	.37	2	7	38
	9-60	---	---	32-50	1.30-1.40	0.42-1.40	0.13-0.18	6.0-8.9	0.5-2.0	.37	.37			
12B2: BEVIER-----	0-8	---	---	27-32	1.30-1.50	1.40-4.00	0.20-0.23	3.0-5.9	2.0-4.0	.37	.37	3	7	38
	8-24	---	---	35-52	1.30-1.50	0.42-1.40	0.11-0.20	6.0-8.9	1.0-2.0	.28	.28			
	24-60	---	---	27-40	1.30-1.50	1.40-4.00	0.18-0.20	6.0-8.9	0.5-1.0	.32	.32			
15B: GRUNDY-----	0-8	---	---	12-27	1.35-1.50	4.00-14.00	0.22-0.24	3.0-5.9	2.0-4.0	.37	.37	3	6	48
	8-15	---	---	32-45	1.35-1.45	1.40-4.00	0.18-0.20	6.0-8.9	0.5-1.0	.37	.37			
	15-48	---	---	40-50	1.30-1.40	0.42-1.40	0.11-0.13	6.0-8.9	0.0-0.5	.37	.37			
	48-60	---	---	28-35	1.35-1.40	0.42-1.40	0.18-0.20	6.0-8.9	0.0-0.5	.37	.37			
16: CRESTMEADE-----	0-8	---	---	15-27	1.35-1.50	4.00-14.00	0.22-0.24	0.0-2.9	2.0-4.0	.37	---	3	6	48
	8-14	---	---	15-30	1.30-1.45	1.40-4.00	0.18-0.22	3.0-5.9	1.0-2.0	.43	---			
	14-34	---	---	42-60	1.30-1.45	0.42-1.40	0.14-0.17	6.0-8.9	1.0-4.0	.32	---			
	34-53	---	---	27-42	1.35-1.50	1.40-4.00	0.14-0.20	6.0-8.9	1.0-2.0	.32	---			
	53-74	---	---	15-30	1.30-1.50	1.40-4.00	0.16-0.20	3.0-5.9	1.0-2.0	.43	---			
19C2: MENFRO-----	0-4	---	---	18-27	1.25-1.40	4.00-14.00	0.22-0.24	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	4-36	---	---	27-33	1.35-1.50	4.00-14.00	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
	36-60	---	---	8-20	1.30-1.45	4.00-14.00	0.20-0.22	0.0-2.9	0.0-0.5	.37	.37			

19F:															
MENFRO-----	0-7	---	---	18-27	1.25-1.40	4.00-14.00	0.22-0.24	0.0-2.9	1.0-2.0	.37	.37	5	6	48	
	7-12	---	---	25-30	1.30-1.45	4.00-14.00	0.18-0.22	3.0-5.9	0.5-1.0	.37	.37				
	12-60	---	---	27-33	1.35-1.50	4.00-14.00	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37				
20A:															
SHANNONDALE-----	0-9	---	---	15-27	1.20-1.30	4.00-14.00	0.20-0.24	0.0-2.9	1.0-3.0	.32	.28	5	6	48	
	9-17	---	---	15-30	1.20-1.50	4.00-14.00	0.18-0.22	3.0-5.9	1.0-3.0	.32	.28				
	17-58	---	---	27-35	1.30-1.50	4.00-14.00	0.20-0.22	3.0-5.9	0.0-2.0	.43	.43				
	58-75	---	---	15-27	1.20-1.30	4.00-42.00	0.16-0.24	0.0-2.9	0.0-2.0	.43	.43				
20C2:															
SHANNONDALE-----	0-9	---	---	15-27	1.20-1.30	4.00-14.00	0.20-0.24	0.0-2.9	1.0-3.0	.32	.28	5	6	48	
	9-17	---	---	15-30	1.20-1.50	4.00-14.00	0.18-0.22	3.0-5.9	1.0-3.0	.32	.28				
	17-58	---	---	27-35	1.30-1.50	4.00-14.00	0.20-0.22	3.0-5.9	0.0-2.0	.43	.43				
	58-75	---	---	15-27	1.20-1.30	4.00-42.00	0.16-0.24	0.0-2.9	0.0-2.0	.43	.43				
21C2:															
KNOX-----	0-6	---	---	27-30	1.20-1.30	4.00-14.00	0.18-0.20	3.0-5.9	2.0-3.0	.32	.32	5	7	38	
	6-55	---	---	25-35	1.30-1.40	4.00-14.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43				
	55-70	---	---	18-27	1.20-1.40	4.00-14.00	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43				
22F3:															
KNOX-----	0-3	---	---	27-30	1.20-1.30	4.00-14.00	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32	5	7	38	
	3-50	---	---	25-35	1.30-1.40	4.00-14.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43				
	50-60	---	---	18-27	1.20-1.40	4.00-14.00	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43				
23B2:															
HIGGINSVILLE-----	0-6	---	---	18-27	1.30-1.50	4.00-14.00	0.21-0.24	0.0-2.9	3.0-4.0	.37	.37	5	6	48	
	6-10	---	---	27-35	1.30-1.40	4.00-14.00	0.18-0.20	3.0-5.9	1.0-2.0	.37	.37				
	10-30	---	---	27-35	1.40-1.50	4.00-14.00	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37				
	30-60	---	---	25-30	1.50-1.60	4.00-14.00	0.18-0.22	3.0-5.9	0.0-0.5	.37	.37				
23C2:															
HIGGINSVILLE-----	0-7	---	---	18-27	1.30-1.50	4.00-14.00	0.21-0.24	0.0-2.9	3.0-4.0	.37	.37	5	6	48	
	7-12	---	---	27-35	1.30-1.40	4.00-14.00	0.18-0.20	3.0-5.9	1.0-2.0	.37	.37				
	12-30	---	---	27-35	1.40-1.50	4.00-14.00	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37				
	30-60	---	---	25-30	1.50-1.60	4.00-14.00	0.18-0.22	3.0-5.9	0.0-0.5	.37	.37				
25B:															
WAKENDA-----	0-14	---	---	18-27	1.20-1.30	4.00-14.00	0.20-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48	
	14-52	---	---	25-35	1.30-1.50	4.00-14.00	0.18-0.20	3.0-5.9	0.5-2.0	.28	.28				
	52-60	---	---	20-30	1.20-1.50	4.00-14.00	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43				

25C2:															
WAKENDA-----	0-12	---	---	18-27	1.20-1.30	4.00-14.00	0.20-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48	
	12-50	---	---	25-35	1.30-1.50	4.00-14.00	0.18-0.20	3.0-5.9	0.5-2.0	.28	.28				
	50-60	---	---	20-30	1.20-1.50	4.00-14.00	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43				
26B:															
ARMSTRONG-----	0-18	---	---	22-27	1.45-1.50	4.00-14.00	0.20-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48	
	18-52	---	---	36-60	1.55-1.60	0.42-1.40	0.11-0.16	6.0-8.9	0.0-1.0	.32	.32				
	52-60	---	---	30-36	1.55-1.70	1.40-4.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32				
26C2:															
ARMSTRONG-----	0-7	---	---	22-27	1.45-1.50	4.00-14.00	0.20-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48	
	7-33	---	---	36-60	1.55-1.60	0.42-1.40	0.11-0.16	6.0-8.9	0.0-1.0	.32	.32				
	33-60	---	---	30-36	1.55-1.70	1.40-4.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32				
26D2:															
ARMSTRONG-----	0-5	---	---	22-27	1.45-1.50	4.00-14.00	0.20-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48	
	5-51	---	---	36-60	1.55-1.60	0.42-1.40	0.11-0.16	6.0-8.9	0.0-1.0	.32	.32				
	51-60	---	---	30-36	1.55-1.70	1.40-4.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32				
27D3:															
ARMSTRONG-----	0-6	---	---	35-42	1.45-1.50	1.40-4.00	0.18-0.20	3.0-5.9	1.0-2.0	.37	.37	2	4	86	
	6-50	---	---	36-60	1.55-1.60	0.42-1.40	0.11-0.16	6.0-8.9	0.0-0.5	.32	.32				
	50-60	---	---	30-36	1.55-1.70	1.40-4.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32				
28C:															
KESWICK-----	0-8	---	---	22-27	1.45-1.50	4.00-14.00	0.17-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48	
	8-40	---	---	35-60	1.55-1.60	0.42-1.40	0.11-0.15	6.0-8.9	0.0-0.5	.37	.37				
	40-60	---	---	30-40	1.60-1.75	1.40-4.00	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37				
31F:															
WINNEGAN-----	0-7	---	---	18-27	1.20-1.40	4.00-14.00	0.20-0.24	0.0-2.9	0.5-2.0	.32	.32	5	6	48	
	7-31	---	---	35-45	1.35-1.55	0.42-1.40	0.09-0.15	6.0-8.9	0.0-0.5	.32	.32				
	31-64	---	---	35-45	1.35-1.55	0.42-1.40	0.09-0.15	6.0-8.9	0.0-0.5	.32	.32				
36D2:															
GOSPORT-----	0-3	---	---	27-34	1.30-1.40	1.40-4.00	0.14-0.16	3.0-5.9	1.0-2.0	.43	.43	3	7	38	
	3-33	---	---	36-60	1.50-1.60	0.01-0.42	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32				
	33-60	---	---	---	---	0.00-0.00	---	---	---	---	---				
36F:															
GOSPORT-----	0-5	---	---	27-34	1.30-1.40	1.40-4.00	0.14-0.16	3.0-5.9	2.0-3.0	.43	.43	3	7	38	
	5-36	---	---	36-60	1.50-1.60	0.01-0.42	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32				
	36-60	---	---	---	---	0.00-0.00	---	---	---	---	---				

37D2:															
NEWCOMER-----	0-7	---	---	15-23	1.30-1.45	4.00-14.00	0.15-0.20	0.0-2.9	2.0-4.0	.32	.28	3	5	56	
	7-27	---	---	18-35	1.45-1.65	4.00-14.00	0.15-0.24	3.0-5.9	1.0-2.0	.32	.32				
	27-34	---	---	12-35	1.45-1.65	4.00-14.00	0.10-0.22	0.0-2.9	0.0-1.0	.32	.32				
	34-50	---	---	---	---	1.40-14.00	---	---	---	---	---				
	50-60	---	---	---	---	1.40-14.00	---	---	---	---	---				
37F:															
NEWCOMER-----	0-9	---	---	15-23	1.30-1.45	4.00-14.00	0.15-0.20	0.0-2.9	2.0-4.0	.32	.28	3	5	56	
	9-29	---	---	18-35	1.45-1.65	4.00-14.00	0.15-0.24	3.0-5.9	1.0-2.0	.32	.32				
	29-35	---	---	12-35	1.45-1.65	4.00-14.00	0.10-0.22	0.0-2.9	0.0-1.0	.32	.32				
	35-51	---	---	---	---	1.40-14.00	---	---	---	---	---				
	51-61	---	---	---	---	1.40-14.00	---	---	---	---	---				
40F:															
PUTCO-----	0-12	---	---	27-50	1.10-1.30	0.42-1.40	0.08-0.16	3.0-5.9	0.5-1.0	.28	---	5	4	86	
	12-60	---	---	40-60	1.40-1.60	0.42-1.40	0.04-0.10	6.0-8.9	0.0-0.5	.24	---				
42F:															
SCHULINE-----	0-10	---	---	27-35	1.30-1.60	4.00-14.00	0.18-0.21	3.0-5.9	0.5-2.0	.37	.37	3	7	38	
	10-16	---	---	18-35	1.60-1.80	0.42-1.40	0.08-0.12	3.0-5.9	0.2-0.5	.37	.37				
	16-60	---	---	18-35	1.40-1.70	1.40-4.00	0.15-0.21	3.0-5.9	0.2-0.5	.37	.37				
PITS-----	0-60	---	---	0-0	---	---	0.00-0.00	---	---	---	---	--	8	0	
47:															
DOCKERY-----	0-5	---	---	15-27	1.35-1.45	4.00-14.00	0.22-0.24	0.0-2.9	2.0-4.0	.37	.37	5	6	48	
	5-60	---	---	18-30	1.35-1.45	4.00-14.00	0.20-0.24	3.0-5.9	0.5-1.0	.43	.43				
50:															
BLACKOAR-----	0-11	---	---	18-27	1.35-1.45	4.00-14.00	0.20-0.24	0.0-2.9	2.0-4.0	.28	.28	5	6	48	
	11-48	---	---	18-27	1.35-1.45	4.00-14.00	0.20-0.22	0.0-2.9	0.5-1.0	.43	.43				
	48-65	---	---	18-30	1.35-1.45	4.00-14.00	0.18-0.22	0.0-2.9	0.5-1.0	.43	.43				
53:															
COLO-----	0-16	---	---	20-26	1.25-1.30	4.00-14.00	0.22-0.24	3.0-5.9	4.0-5.0	.28	.28	5	6	48	
	16-60	---	---	30-35	1.25-1.35	4.00-14.00	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28				
54:															
ZOOK-----	0-8	---	---	35-40	1.30-1.35	1.40-4.00	0.21-0.23	6.0-8.9	5.0-7.0	.37	.37	5	7	38	
	8-40	---	---	36-45	1.30-1.45	0.42-1.40	0.11-0.13	6.0-8.9	2.0-4.0	.28	.28				
	40-75	---	---	20-45	1.30-1.45	0.42-4.00	0.11-0.22	6.0-8.9	0.0-1.0	.28	.28				

56:																
TRIPLETT-----	0-7	---	---	15-27	1.35-1.50	4.00-14.00	0.22-0.24	0.0-2.9	1.0-4.0	.37	---	3	6	48		
	7-14	---	---	15-30	1.30-1.45	1.40-4.00	0.18-0.22	3.0-5.9	0.5-1.0	.43	---					
	14-33	---	---	42-52	1.30-1.45	0.42-1.40	0.14-0.17	6.0-8.9	1.0-2.0	.32	---					
	33-53	---	---	28-45	1.30-1.45	1.40-4.00	0.15-0.18	6.0-8.9	0.5-1.0	.32	---					
	53-60	---	---	18-35	1.30-1.50	1.40-4.00	0.16-0.20	3.0-5.9	0.0-0.5	.43	---					
60:																
PORTAGE-----	0-9	---	---	45-75	1.25-1.45	0.01-0.42	0.12-0.14	9.0-25.0	2.0-4.0	.37	.37	5	4	86		
	9-44	---	---	60-80	1.30-1.45	0.01-0.42	0.09-0.11	9.0-25.0	1.0-2.0	.37	.37					
	44-60	---	---	60-80	1.30-1.45	0.01-0.42	0.09-0.11	9.0-25.0	0.5-1.0	.37	.37					
61:																
CARLOW-----	0-13	---	---	40-50	1.30-1.40	0.42-1.40	0.12-0.14	6.0-8.9	2.0-4.0	.37	.37	5	4	86		
	13-60	---	---	45-60	1.25-1.35	0.01-0.42	0.09-0.12	6.0-8.9	0.5-1.0	.37	.37					
62:																
CARLOW-----	0-13	---	---	40-50	1.30-1.40	0.42-1.40	0.12-0.14	6.0-8.9	2.0-4.0	.37	.37	5	4	86		
	13-60	---	---	45-60	1.25-1.35	0.01-0.42	0.09-0.12	6.0-8.9	0.5-1.0	.37	.37					
64:																
TINA-----	0-12	---	---	18-27	1.40-1.50	4.00-14.00	0.20-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48		
	12-41	---	---	35-48	1.40-1.60	1.40-4.00	0.14-0.22	6.0-8.9	1.0-4.0	.28	.28					
	41-60	---	---	10-30	1.40-1.60	4.00-14.00	0.14-0.22	0.0-2.9	0.5-1.0	.32	.32					
66C2:																
GIFFORD-----	0-3	---	---	27-35	1.30-1.45	4.00-14.00	0.22-0.24	0.0-2.9	2.0-4.0	.43	.43	3	7	38		
	3-30	---	---	35-50	1.30-1.45	0.01-0.42	0.11-0.14	6.0-8.9	0.5-1.0	.32	.32					
	30-60	---	---	25-35	1.35-1.50	0.42-1.40	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43					
68:																
TUSKEEGO-----	0-8	---	---	28-35	1.35-1.40	1.40-4.00	0.21-0.23	---	2.0-4.0	.37	---	5	7	38		
	8-24	---	---	18-30	1.40-1.50	0.42-1.40	0.18-0.22	---	1.0-2.0	.43	---					
	24-46	---	---	32-48	1.30-1.45	0.01-0.42	0.13-0.17	6.0-8.9	0.0-2.0	.43	.43					
	46-60	---	---	28-40	1.40-1.50	0.42-1.40	0.16-0.19	3.0-5.9	0.0-1.0	.43	.43					
70:																
SPEED-----	0-15	---	---	12-22	1.25-1.45	4.00-14.00	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	5	5	56		
	15-27	---	---	12-20	1.30-1.50	4.00-14.00	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43					
	27-38	---	---	18-30	1.30-1.50	4.00-14.00	0.20-0.22	3.0-5.9	0.5-1.0	.43	.43					
	38-60	---	---	20-32	1.30-1.50	4.00-14.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43					
72:																
TICE-----	0-11	---	---	22-27	1.25-1.45	4.00-14.00	0.21-0.24	3.0-5.9	2.0-3.0	.32	.32	5	6	48		
	11-60	---	---	24-35	1.30-1.50	4.00-14.00	0.18-0.20	3.0-5.9	0.0-1.0	.32	.32					

73:															
TICE-----	0-11	---	---	27-35	1.25-1.45	4.00-14.00	0.21-0.24	3.0-5.9	2.0-3.0	.32	.32	5	7	38	
	11-60	---	---	27-35	1.30-1.50	4.00-14.00	0.18-0.21	3.0-5.9	0.0-1.0	.32	.32				
78:															
LEVASY-----	0-20	---	---	40-60	1.25-1.40	0.42-1.40	0.12-0.20	6.0-8.9	2.0-4.0	.28	.28	5	4	86	
	20-29	---	---	35-60	1.25-1.40	0.42-1.40	0.12-0.20	6.0-8.9	1.0-2.0	.28	.28				
	29-60	---	---	7-27	1.35-1.50	4.00-14.00	0.10-0.18	0.0-2.9	0.5-1.0	.43	.43				
81:															
HAYNIE-----	0-9	---	---	15-20	1.20-1.35	4.00-14.00	0.18-0.23	0.0-2.9	1.0-2.0	.32	.32	5	3	86	
	9-60	---	---	15-18	1.20-1.35	4.00-14.00	0.18-0.23	0.0-2.9	0.0-1.0	.43	.43				
82:															
SARPY-----	0-7	---	---	2-5	1.20-1.50	42.00-141.00	0.05-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134	
	7-60	---	---	2-5	1.20-1.50	42.00-141.00	0.05-0.09	0.0-2.9	0.0-0.5	.15	.15				
83:															
LANDES-----	0-12	---	---	7-20	1.40-1.60	14.00-42.00	0.13-0.20	0.0-2.9	1.0-2.0	.24	.24	4	3	86	
	12-34	---	---	5-18	1.60-1.70	14.00-42.00	0.10-0.15	0.0-2.9	0.0-2.0	.32	.32				
	34-60	---	---	5-18	1.60-1.80	42.00-141.00	0.05-0.15	0.0-2.9	0.0-2.0	.20	.20				
84:															
HAYNIE-----	0-9	---	---	15-20	1.20-1.35	4.00-14.00	0.18-0.23	0.0-2.9	1.0-3.0	.32	.32	5	3	86	
	9-60	---	---	15-18	1.20-1.35	4.00-14.00	0.18-0.23	0.0-2.9	0.0-1.0	.43	.43				
WALDRON-----	0-6	---	---	40-50	1.35-1.45	0.42-1.40	0.12-0.14	6.0-8.9	2.0-4.0	.32	.32	5	4	86	
	6-52	---	---	35-50	1.30-1.50	0.42-1.40	0.10-0.18	6.0-8.9	0.5-2.0	.32	.32				
	52-60	---	---	18-27	1.40-1.50	4.00-14.00	0.18-0.20	0.0-2.9	0.5-1.0	.43	.43				
85:															
WALDRON-----	0-4	---	---	40-50	1.35-1.45	0.42-1.40	0.12-0.14	6.0-8.9	2.0-4.0	.32	.32	5	4	86	
	4-48	---	---	35-50	1.30-1.50	0.42-1.40	0.10-0.18	6.0-8.9	0.5-2.0	.32	.32				
	48-60	---	---	18-27	1.40-1.50	4.00-14.00	0.18-0.20	0.0-2.9	0.5-1.0	.43	.43				
86:															
PARKVILLE-----	0-4	---	---	35-40	1.30-1.50	0.42-1.40	0.12-0.21	3.0-5.9	2.0-3.0	.28	.28	5	4	86	
	4-20	---	---	40-70	1.30-1.50	0.01-0.42	0.11-0.13	6.0-8.9	---	.28	.28				
	20-60	---	---	4-25	1.40-1.60	4.00-14.00	0.18-0.22	0.0-2.9	---	.28	.28				
87:															
MODALE-----	0-22	---	---	10-18	1.20-1.30	4.00-14.00	0.21-0.23	0.0-2.9	1.0-2.0	.37	.37	5	4L	86	
	22-60	---	---	50-60	1.35-1.45	0.42-1.40	0.11-0.13	6.0-8.9	0.5-1.0	.28	.28				

[illegible]